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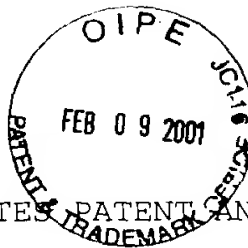
TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/708,863
	Filing Date	11/8/2000
	First Named Inventor	CHRISTOPHER L. AARDAHL ET AL.
	Group Art Unit	3748
	Examiner Name	
Total Number of Pages in This Submission		Attorney Docket Number 00-508

ENCLOSURES (check all that apply)		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	John W. Morrison, Registration No. 44,245
Signature	
Date	February 6, 2001

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I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope address to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: 02/06/2001	
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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of) Group Art Unit: 3748
CHRISTOPHER L. AARDAHL, ET AL.)
Application Number: 09/708,863)
Filed: November 8, 2000)
Title: METHOD AND SYSTEM FOR THE)
COMBINATION OF NON-THERMAL)
PLASMA AND METAL/METAL)
OXIDE DOPED Y-ALUMINA)
CATALYSTS FOR DIESEL ENGINE)
EXHAUST AFTERTREATMENT)
SYSTEM)
Attorney Docket No.: 00-508)

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Peoria, Illinois 61629-6490

February 6, 2001

Assistant Commissioner for Patents
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Sir:

The following information and attached material are submitted for the Examiner's consideration relative to one or more of the claims in the above-identified application. A PTO 1449 (SB08) form and a copy, if required, of each item listed thereon are attached.

Respectfully submitted,

John W. Morrison
Registration No. 44,245
Caterpillar Inc.

Telephone: (309) 494-1815
JWM:vlm
Enc.

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PTO/SB/08A (10-96)

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Substitute for form 1449A/PTO

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of

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Application Number	09/708,863
Filing Date	11/8/2000
First Named Inventor	Christopher L. Aardahl Et Al
Group Art Unit	3748
Examiner Name	
Attorney Docket Number	00-508

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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Date	
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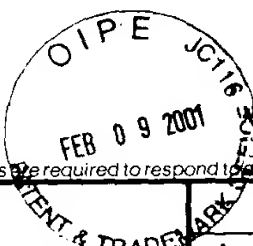
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of 2

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Application Number	09/708,863
Filing Date	1/8/2000
First Named Inventor	Christopher L. Aardahl ET AL.
Group Art Unit	3748
Examiner Name	
Attorney Docket Number	00-508

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
✓		"Promotive Effect of Sn on the Catalytic Activity of Al ₂ O ₃ for the Selective Reduction of NO by Methanol", Tabata et al., Catalysis Letters 25 (1994), pgs. 55-60, J. C. Baltzer AG, Science Publishers	
✓		"Ga ₂ O ₃ /Al ₂ O ₃ Prepared by Sol-Gel Method as a Highly Active Metal Oxide-Based Catalyst for NO Reduction by Propene in the Presence of Oxygen, H ₂ O and SO ₂ ", Haneda et al., Chemistry Letters 1998, pgs. 181-182, Chemistry Letters 1998, The Chemical Society of Japan, 1998	
✓		"Lean NO _x Catalysis over Sn/Y-Al ₂ O ₃ Catalysts", Kung et al., Journal of Catalysis 181, 1999, pgs 1-5, Academic Press, 1999	
✓		"Influence of local structure on the catalytic activity of gallium oxide for the selective reduction of NO by CH ₄ ", Shimizu et al., pgs. 1827-1828, Chem. Commun., 1996	
✓		"Activity enhancement of SnO ₂ -doped Ga ₂ O ₃ -Al ₂ O ₃ catalysts by coexisting H ₂ O for the selective reduction of NO with propene", Haneda et al., Applied Catalysis B: Environmental 20 1999, pgs. 289-300, Elsevier Science B.V. 1999	
✓		"Selective Reduction of Nitrogen Monoxide with Hydrocarbons over SnO ₂ Catalyst", Teraoka et al., Chemistry Letters 1993, pgs 773-776, The Chemical Society of Japan, 1993	
✓		"Alumina-supported Catalysts for the Selective Reduction of Nitric Oxide by Propene", Miyadera et al., Chemistry Letters 1993, pgs 1483-1486, The Chemical Society of Japan 1993	
✓		"Characterization of SnO ₂ /Al ₂ O ₃ Lean NO _x Catalysts", Park et al., Journal of Catalysis 134, 1999, pgs 440-454, Academic Press 1999	
✓		"Enhanced activity of In and Ga-supported sol-gel alumina catalysts for NO reduction by hydrocarbons in lean conditions", Applied Catalysis B: Environmental 15 1998, pgs 291-304, Elsevier Science B.V. 1998	
✓		"Plasma-Enhanced Catalytic Reduction of NO _x in Simulated Lean Exhaust", Aardahl et al., Society of Automotive Engineers, Inc. 2000	

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